Performance Data Sheet

VSAG518ZXT

General Information

Model	VSAG518ZXT	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V 3~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-40	Btu/h	9640	9450	9260	9050	8840	8610	8380
	Watts	2710	3120	3530	3940	4350	4770	5190
	Amps	10.5	11.3	12.0	12.8	13.6	14.5	15.3
	Lb/h	170	177	183	190	196	202	208
-35	Btu/h	12000	11500	11000	10500	10000	9470	8930
	Watts	2730	3150	3570	4000	4420	4850	5280
	Amps	10.2	11.1	12.0	12.8	13.7	14.6	15.5
	Lb/h	205	209	214	218	223	227	231
-30	Btu/h	14500	13700	12900	12100	11300	10500	9620
	Watts	2750	3180	3620	4060	4500	4940	5380
	Amps	10.1	11.0	12.0	12.9	13.8	14.8	15.8
	Lb/h	242	244	247	250	252	255	257
-25	Btu/h	17200	16100	15000	13800	12700	11600	10500
	Watts	2780	3220	3670	4120	4580	5030	5490
	Amps	9.99	11.0	12.0	13.0	14.0	15.1	16.1
	Lb/h	282	283	284	285	286	287	288
-20	Btu/h	19900	18500	17100	15700	14300	12900	11500
	Watts	2810	3270	3730	4190	4660	5130	5600
	Amps	9.95	11.0	12.1	13.2	14.2	15.3	16.4
	Lb/h	325	325	325	324	324	323	323
-15	Btu/h	22900	21200	19500	17800	16100	14400	12700
	Watts	2850	3320	3790	4270	4740	5230	5710
	Amps	9.94	11.1	12.2	13.3	14.5	15.6	16.8
	Lb/h	373	371	370	368	366	364	363
-10	Btu/h	26000	24100	22100	20100	18200	16200	14200
	Watts	2880	3370	3850	4340	4830	5320	5820
	Amps	9.96	11.1	12.3	13.5	14.7	15.9	17.2
	Lb/h	426	423	420	417	414	411	408
-5	Btu/h	29400	27100	24900	22700	20400	18200	15900
	Watts	2920	3420	3920	4420	4920	5420	5930
	Amps	9.98	11.2	12.5	13.7	15.0	16.2	17.5
	Lb/h	484	480	476	472	468	464	460

0	Btu/h	33000	30500	28000	25400	22900	20400	17900
	Watts	2960	3470	3980	4490	5000	5520	6040
	Amps	10.0	11.3	12.6	13.9	15.2	16.5	17.9
	Lb/h	547	543	538	533	528	523	518
5	Btu/h	36800	34000	31300	28500	25700	22900	20200
	Watts	3000	3520	4040	4560	5090	5610	6140
	Amps	10.0	11.4	12.7	14.1	15.4	16.8	18.2
	Lb/h	618	612	606	601	595	589	584
10	Btu/h	40900	37900	34900	31900	28800	25800	22700
	Watts	3040	3570	4100	4630	5170	5700	6250
	Amps	10.0	11.4	12.8	14.2	15.6	17.0	18.4
	Lb/h	695	689	682	676	670	664	657

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	5.291406E+04	-1.080261E+03	-2.736606E-01	5.860603E+02
C2	1.174674E+03	-1.052826E+01	-8.043814E-02	1.486553E+01
C3	-2.492835E+02	5.067562E+01	1.287393E-01	-4.701191E-01
C4	4.305612E+00	1.647591E-02	1.950585E-04	1.058101E-01
C5	-5.429155E+00	2.297556E-01	1.070252E-03	-1.969183E-02
C6	4.293175E-03	-5.579386E-03	-1.489505E-05	-2.225306E-04
C7	2.892557E-02	-1.726593E-03	-1.700382E-05	7.455340E-04
C8	1.083278E-02	-5.806030E-04	-6.138285E-06	2.854519E-04
C9	4.952122E-04	-9.134888E-06	-2.278705E-07	1.453532E-05
C10	-7.547714E-05	4.874497E-05	1.468101E-07	8.192599E-07

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature